

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P943286

Luminaire Tested: **GALN-SB7C-940-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943286
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-940-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30268 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

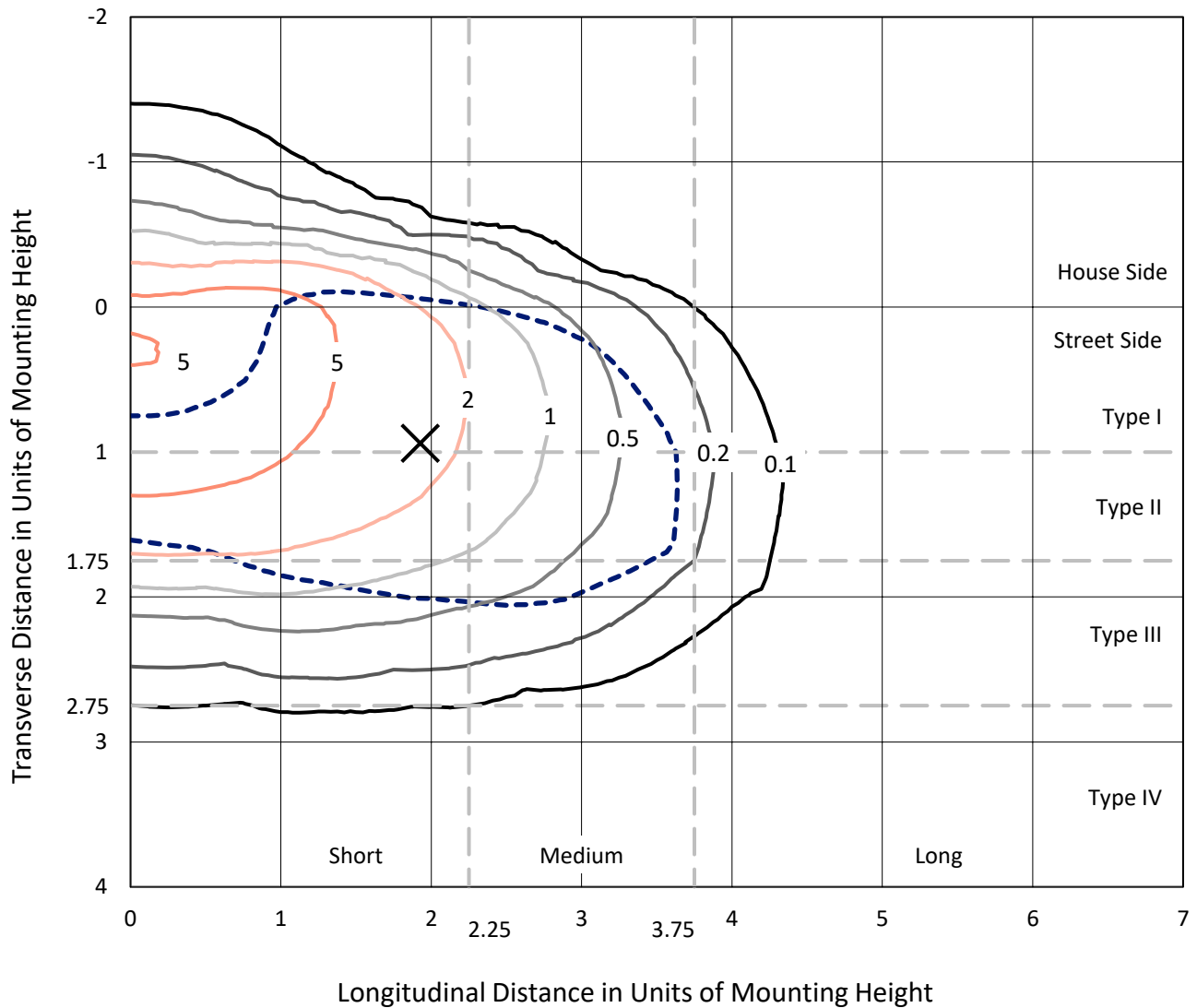
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P943286
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Iso-Footcandle Lines of Horizontal Illumination

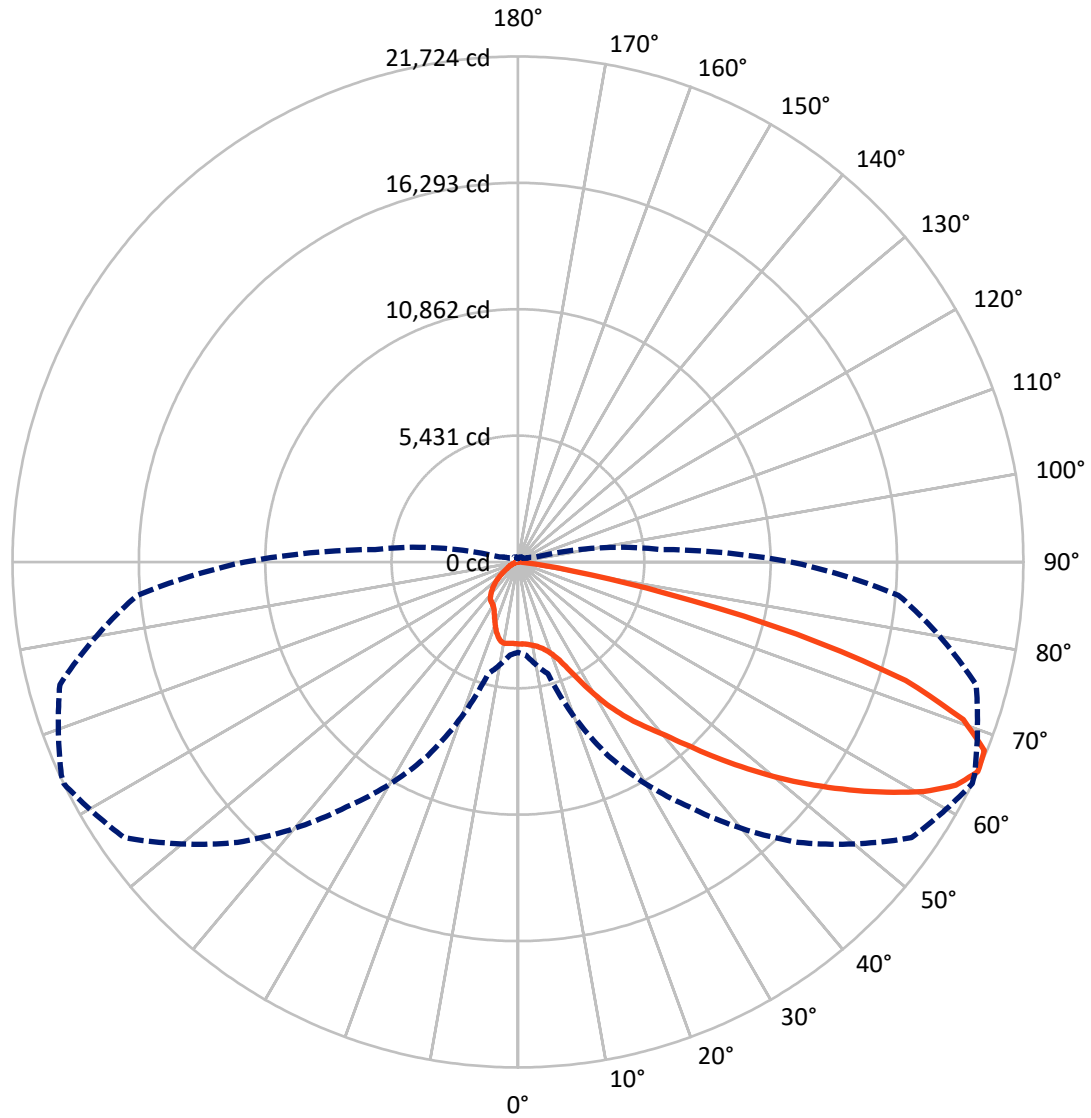
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type III - Short - N/A

REPORT NUMBER: P943286
CATALOG NUMBER: GALN-SB7C-940-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4047.8	0.0	4047.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	26220.2	0.0	26220.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	30268.0	0.0	30268.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.8	1.1
10°-20°	881.0	2.9
20°-30°	1669.3	5.5
30°-40°	3377.9	11.2
40°-50°	5754.3	19.0
50°-60°	7825.4	25.9
60°-70°	7348.5	24.3
70°-80°	2944.1	9.7
80°-90°	142.6	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	30268.0	100.0
0°-180°	30268.0	100.0

Coefficient of Utilization



REPORT NUMBER: P943286

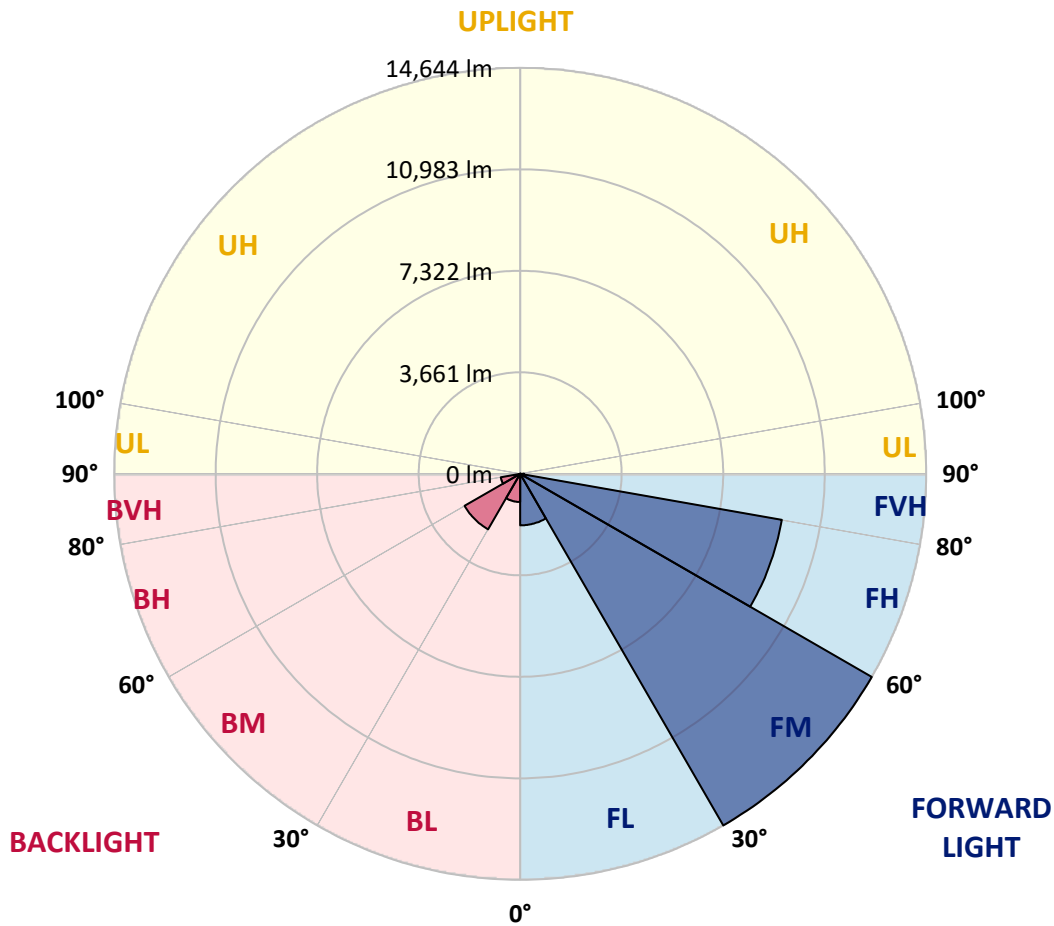
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1858.8	6.1			
FM (30°-60°)	14643.6	48.4			
FH (60°-80°)	9582.2	31.7			G4/12000
FVH (80°-90°)	135.7	0.4			G2/225
BL (0°-30°)	1016.3	3.4	B3/2500		
BM (30°-60°)	2314.1	7.6	B2/2500		
BH (60°-80°)	710.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



REPORT NUMBER: P943286

CATALOG NUMBER: GALN-SB7C-940-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3520.5	3520.5	3520.5	3520.5	3520.5	3520.5	3520.5	3520.5	3520.5	3520.5
2.5°	3508.3	3532.7	3526.6	3520.5	3518.5	3522.5	3524.5	3522.5	3522.5	3522.5
5°	3441.3	3461.6	3461.6	3475.8	3496.1	3520.5	3538.7	3542.8	3546.9	3552.9
7.5°	3313.5	3329.7	3341.9	3388.6	3439.3	3504.2	3559.0	3587.4	3591.5	3613.8
10°	3226.3	3246.6	3266.8	3315.5	3388.6	3486.0	3579.3	3648.3	3658.5	3711.2
12.5°	3222.2	3242.5	3268.9	3321.6	3406.9	3510.3	3624.0	3723.4	3741.7	3818.8
15°	3264.8	3289.2	3313.5	3378.4	3469.8	3595.6	3717.3	3841.1	3859.3	3968.9
17.5°	3352.1	3384.5	3402.8	3467.7	3565.1	3705.1	3865.4	4007.5	4023.7	4151.5
20°	3524.5	3563.1	3569.2	3621.9	3717.3	3867.5	4058.2	4234.7	4255.0	4401.1
22.5°	3881.7	3936.4	3887.7	3914.1	3999.3	4149.5	4356.5	4579.7	4608.1	4774.5
25°	4510.7	4587.8	4462.0	4417.3	4453.9	4610.1	4869.8	5151.9	5184.3	5318.3
27.5°	5746.4	5647.0	5456.2	5269.6	5160.0	5249.3	5541.5	5890.5	5931.0	6060.9
30°	7103.9	7016.6	6758.9	6345.0	6085.3	6071.1	6340.9	6730.5	6777.2	6901.0
32.5°	8463.4	8380.2	8100.2	7590.9	7140.4	6917.2	7103.9	7536.1	7560.4	7639.5
35°	9800.5	9715.3	9435.3	8913.8	8359.9	7852.6	7816.1	8303.1	8311.2	8394.4
37.5°	11145.8	11074.8	10776.5	10265.2	9719.4	9019.3	8680.5	9029.5	9039.6	9120.8
40°	12105.6	12136.0	11931.1	11535.4	11066.7	10301.7	9650.4	9802.6	9741.7	9877.6
42.5°	12929.4	12990.3	12811.7	12612.9	12341.0	11667.3	10851.6	10825.2	10727.8	10800.9
45°	13641.6	13692.3	13532.0	13485.4	13479.3	13006.5	12164.4	12006.2	11870.2	11856.0
47.5°	13903.4	14000.8	14069.8	14226.0	14530.4	14331.5	13521.9	13276.4	13124.2	13012.6
50°	14002.8	14106.3	14341.7	14796.2	15516.5	15601.7	14873.3	14597.3	14410.6	14207.7
52.5°	13868.9	14053.5	14370.1	15135.0	16180.0	16620.3	16169.9	15928.4	15715.4	15384.6
55°	13079.6	13264.2	13911.5	15131.0	16510.8	17334.6	17395.4	17287.9	17048.5	16527.0
57.5°	11415.7	11689.6	12714.3	14615.6	16504.7	17949.4	18596.7	18673.8	18405.9	17659.2
60°	9110.6	9482.0	10731.9	13473.2	15995.4	18282.2	19649.8	20035.3	19751.2	18775.2
62.5°	6357.2	6787.3	7970.3	11683.5	14830.7	18042.7	20418.8	21131.0	20915.9	19773.5
65°	3877.6	4015.6	4969.3	9193.8	12850.3	17040.4	20656.2	21723.5	21652.5	20384.3
67.5°	2583.0	2698.7	2972.6	6304.4	9975.0	15037.6	20088.1	21620.0	21640.3	20284.9
70°	1556.3	1655.7	1834.3	3666.6	6464.7	11902.7	18328.8	20301.1	20418.8	18955.8
72.5°	641.2	708.2	870.5	1661.8	3348.0	7554.3	14595.3	17429.9	17703.9	15938.6
75°	363.2	397.7	511.3	834.0	1452.8	3520.5	8840.8	12373.4	12777.2	10985.5
77.5°	241.5	257.7	330.7	539.7	817.7	1201.2	3778.2	6446.4	7217.5	6000.0
80°	162.3	176.5	227.3	361.2	531.6	515.4	1203.3	2388.2	2938.1	2061.6
82.5°	109.6	111.6	162.3	237.4	336.8	249.6	355.1	742.6	933.4	596.6
85°	62.9	60.9	119.7	138.0	150.2	103.5	107.5	223.2	292.2	251.6
87.5°	8.1	12.2	46.7	36.5	20.3	22.3	22.3	38.6	56.8	60.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P943286
 CATALOG NUMBER: GALN-SB7C-940-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3520.5	0°	3520.5	3520.5	3520.5	3520.5	3520.5	3520.5	3520.5	3520.5	3520.5	3520.5
3524.5	2.5°	3524.5	3522.5	3516.4	3510.3	3496.1	3488.0	3492.1	3488.0	3486.0	3488.0
3550.9	5°	3550.9	3544.8	3528.6	3508.3	3479.9	3445.4	3423.1	3390.6	3360.2	3341.9
3621.9	7.5°	3621.9	3615.9	3593.5	3536.7	3445.4	3301.3	3169.4	3053.8	2966.5	2915.8
3735.6	10°	3735.6	3725.4	3690.9	3565.1	3325.7	3011.2	2749.4	2532.3	2390.3	2323.3
3869.5	12.5°	3869.5	3857.3	3796.4	3538.7	3098.4	2607.4	2246.2	2004.7	1872.9	1814.0
4023.7	15°	4027.8	4011.5	3891.8	3412.9	2767.7	2161.0	1830.2	1649.7	1564.4	1511.7
4220.5	17.5°	4224.6	4196.2	3962.8	3224.2	2408.5	1820.1	1574.6	1438.6	1363.6	1312.8
4478.2	20°	4480.2	4433.6	4019.6	2999.0	2077.8	1605.0	1402.1	1288.5	1231.7	1187.0
4843.5	22.5°	4837.4	4770.4	4088.6	2755.5	1844.4	1456.9	1274.3	1191.1	1144.4	1093.7
5352.8	25°	5279.7	5200.6	4173.9	2530.3	1684.2	1329.1	1180.9	1111.9	1057.2	998.3
6020.3	27.5°	5898.6	5756.5	4275.3	2345.6	1546.2	1219.5	1095.7	1018.6	955.7	907.0
6777.2	30°	6588.5	6355.1	4364.6	2234.0	1420.4	1118.0	984.1	907.0	848.2	813.7
7456.9	32.5°	7241.8	6925.3	4423.4	2185.3	1306.7	1002.4	862.4	779.2	734.5	724.4
8122.5	35°	7858.7	7440.7	4417.3	2138.7	1205.3	886.7	742.6	657.4	622.9	629.0
8838.7	37.5°	8568.9	7990.6	4374.7	2065.6	1122.1	781.2	639.2	564.1	533.7	535.7
9709.2	40°	9394.7	8625.7	4348.4	1927.6	1030.8	683.8	553.9	493.1	470.8	462.6
10626.4	42.5°	10275.3	9240.5	4352.4	1771.4	917.2	596.6	495.1	444.4	424.1	418.0
11647.0	45°	11160.0	9826.9	4358.5	1609.1	797.4	529.6	452.5	409.9	397.7	389.6
12681.9	47.5°	11992.0	10326.1	4244.9	1434.6	679.7	478.9	418.0	389.6	379.4	369.3
13720.8	50°	12767.1	10658.8	3970.9	1231.7	586.4	438.3	391.6	371.3	361.2	351.0
14662.3	52.5°	13369.7	10711.6	3518.5	1022.7	521.5	407.8	375.4	357.1	344.9	334.8
15423.2	55°	13637.6	10380.9	2875.2	827.9	470.8	381.5	359.2	340.9	326.7	316.5
16021.7	57.5°	13568.6	9684.9	2242.2	665.5	422.1	355.1	338.9	326.7	310.5	294.2
16506.7	60°	13229.7	8753.5	1690.2	553.9	377.4	326.7	316.5	306.4	284.1	259.7
16693.4	62.5°	12643.3	7582.7	1205.3	458.6	328.7	294.2	290.2	282.0	249.6	204.9
16417.4	65°	11746.4	6160.3	811.6	381.5	282.0	257.7	259.7	245.5	202.9	152.2
15406.9	67.5°	10435.6	4504.6	519.4	312.5	235.4	215.1	217.1	209.0	172.5	129.9
13491.5	70°	8765.7	2982.8	338.9	237.4	188.7	166.4	178.6	180.6	146.1	105.5
10354.5	72.5°	6426.1	1761.3	237.4	176.5	138.0	115.7	146.1	150.2	117.7	79.1
6229.3	75°	3662.5	836.0	178.6	127.8	85.2	81.2	113.6	113.6	81.2	52.8
2696.7	77.5°	1538.1	349.0	125.8	83.2	48.7	46.7	77.1	71.0	40.6	24.3
657.4	80°	444.4	156.2	67.0	40.6	20.3	18.3	30.4	22.3	10.1	4.1
249.6	82.5°	174.5	69.0	26.4	16.2	8.1	8.1	4.1	0.0	0.0	0.0
142.0	85°	103.5	28.4	12.2	6.1	2.0	0.0	0.0	0.0	0.0	0.0
30.4	87.5°	26.4	6.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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<u>180°</u>
3520.5
3496.1
3346.0
2917.8
2317.2
1807.9
1513.7
1308.8
1178.9
1085.6
992.2
896.9
807.6
730.5
629.0
543.8
460.6
416.0
389.6
369.3
351.0
332.8
314.5
292.2
255.7
200.9
148.1
123.8
101.5
75.1
48.7
24.3
4.1
0.0
0.0
0.0
0.0

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